

CD NO.

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- CLASSIFICATION: SECRET

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SECRET

- 2 -

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Construction was expected to take about three months, and production was to start in about six months.

- 3) The old kiln hall, also a concrete structure, about 50 by 12 by 10 meters in size. About 20 men work here. Several of them supervise the kilns; the others fill and empty the kilns.
- 4) The generator house, also built of concrete, about 8 by 12 by 9 meters in size.
- 5) An obsolete production hall, a 70 by 60 by 8 meter concrete building subdivided into several sections. It is used to store old equipment and trash and is in poor condition.
- 6) The boiler house, a small concrete structure which supplies steam heat to the plant.

- d. Joiners' workshop and shipping office - a wooden structure, about 8 by 5 by 3 meters, at the railroad siding. Here boxes are joined and finished products crated and loaded on railroad cars.
- e. Storehouse - a wooden structure, about 25 by 10 by 4 meters. Fire-bricks, spare parts and "Elektrokorunt" (Al_2O_3) are stored here. There is a staff of about four persons as well as six laborers who do general work in the yard.

3. Factory equipment is as follows:

- a. Eight round kilns in the old kiln hall, all 15 to 20 years old and of German manufacture. The grinding wheels turned out by the plant vary in size and weight, from wheels five centimeters in diameter weighing about 50 kilograms. Each of the eight round kilns is capable of turning out up to five metric tons of grinding wheels per operation; an operation takes about six days. The kilns consume about two metric tons of upper-Silesian mineral coal during each operation. Operations are scheduled so that the production process is completed in each kiln on a different day; that is, on each of eight consecutive days the operation is completed in one of the kilns.
- b. One tunnel kiln under construction, which is not expected to go into operation before April 1954. This kiln normally will produce about three metric tons per day. The kiln, which is gas-heated, is being set up in the "new hall". About 20 people are working on it. It has eleven motors.
- c. Two turning grate gas generators being set up to supply gas to the tunnel kiln. These will be situated in the generator house. One is being set up by four installation specialists and three laborers. The other will be constructed later on a concrete foundation which has already been laid. One such generator is adequate to supply the tunnel kiln with gas. The other is to be held in reserve and used later when the plant is further expanded. Both generators are powered by electric current.
- d. About six hydraulic presses used to compress the "Elektrokorunt", located in the presses and joinery hall.
- e. About six special turning lathes, somewhat superannuated, and about 12 new special turning lathes delivered recently by the Minninghausen Company of Luedenscheidt, North-Rhine-Westphalia. These lathes, which are used to give final shape to the grinding wheels before they are heated, are located in the presses and joinery hall.

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SECRET

- 3 -

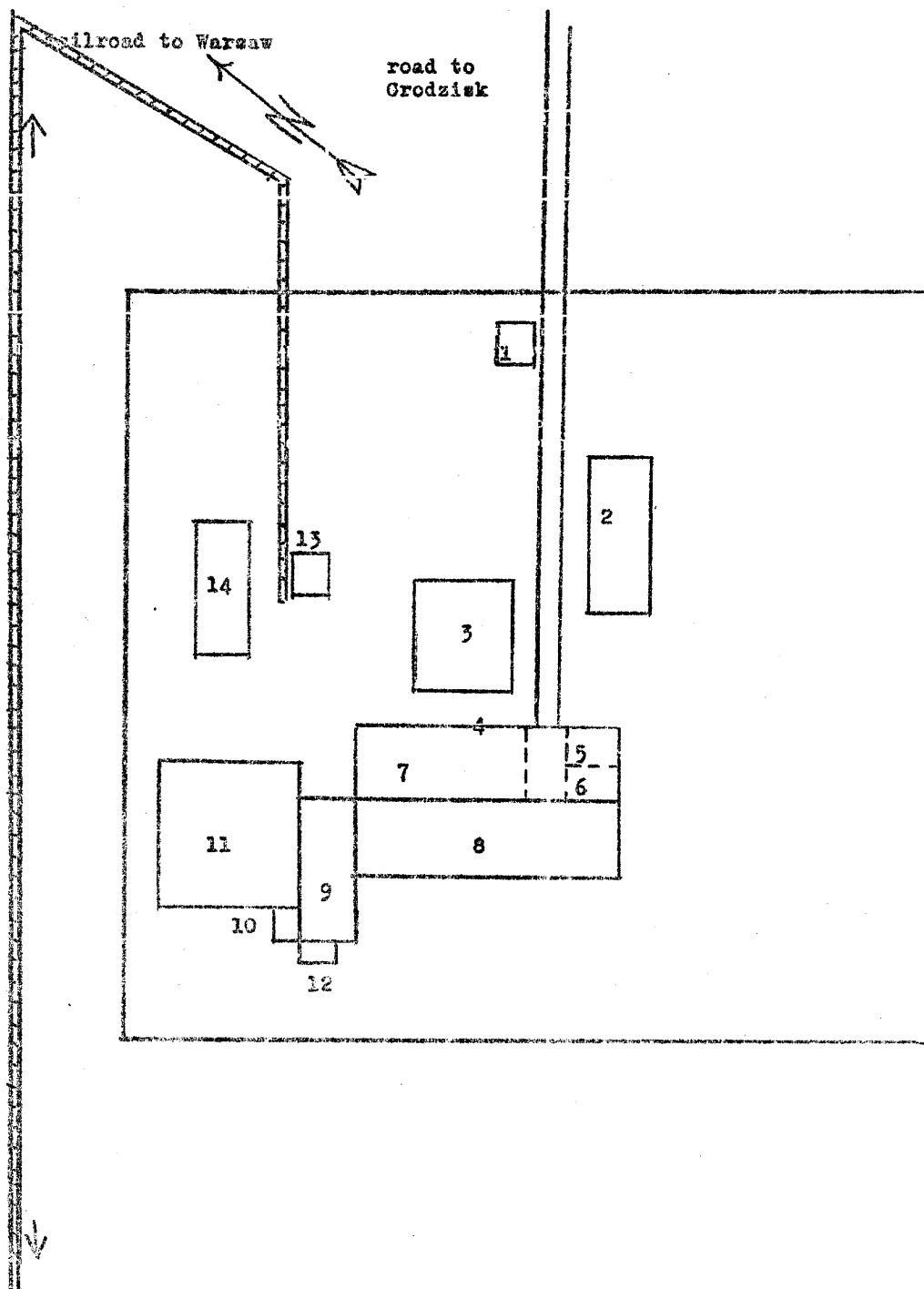
4. The plant produces only grinding wheels, at a rate of no more than five metric tons per day. Possibly output could be doubled after the tunnel kiln is completed. Nevertheless, the plant has fulfilled its production plan. Reportedly the grinding wheels produced are being used to grind artillery pieces, rifle muzzles, and machine parts.
5. About two metric tons of upper Silesian mineral coal is used daily to heat the round kilns and the boiler. About one freight car of coal was unloaded each day at the plant. The "Elektrokorunt" (Al_2O_3) used by the plant consists of China clay smelted electrically at high temperatures and then pulverized. It can be smelted only by electric current. About 50 metric tons of "Elektrokorunt" is always on hand. It arrives at the plant by rail. The eleven motors of the tunnel kiln use 14.5 to 15 kV. The gas generators require a total of 2.6 kV. Electricity is also used to drive the turning lathe motors, the hydraulic press pumps and the presses. The necessary electric current is probably obtained from the Pruszkow power plant.
6. The single-track railroad siding, about 300 meters long, links the plant with the Prague-Warsaw railroad. There is no ramp. Crates containing the grinding wheels are loaded onto freight cars at intervals, but no more than three freight cars are loaded at one time. The factory itself uses two electric cars to transport materials. One broke down recently and is being repaired.
- 25X1 7. [redacted] there are approximately 100 employees. The factory operates on one shift, a 46-hour week, with no work on Sundays (except by necessary gangs) and no overtime (except for urgent repairs). Working hours are from 7 a.m. to 3 p.m. on weekdays, and from 7 a.m. to 1 p.m. on Saturdays. About 80 more people are employed by a state-owned construction enterprise which is building the new hall mentioned earlier. [redacted] the factory area and the plant equipment are poorly tended. Morale is low, little interest is shown in good performance, and dirt is abundant. Sanitary conditions in the factory are shockingly primitive and unhygienic.
- 25X1 8. Uniformed industrial guards armed with rifles guard the factory area, which is fenced partly with wood and partly with barbed wire. At least six of these guards are on duty during the day. They scrutinize closely all persons entering the factory area, and outsiders entering the plant must be accompanied to the administration building by the gatekeeper.
9. The attachment shows the lay-out of the plant.

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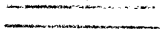



- 4 -



SECRET

Legend to map on page 4:

Lay-Out sketch
Symbol

1	Receptionist's office at main gate
2	Administration building
3	Pay Account Office building
4	Old (original) production hall
5	Location of Utilities Administration
6	Location of locksmithy and joinery
7	Location of presses and special joinery
8	New production hall
9	Old (original) kiln hall
10	Generator house
11	Obsolete production hall
12	Boiler house
13	Joiner's workshop and Shipping and Crating Shop
14	Storage
	Road
	Railroad
	Fence
	Limits of #5, 6 and 7 within #4

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